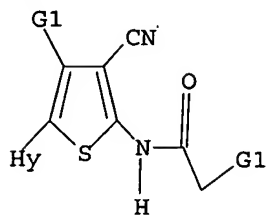


=> d l1  
L1 HAS NO ANSWERS  
L1 STR



G1 H, Me, Et, n-Pr, i-Pr, n-Bu, i-Bu, s-Bu, t-Bu

Structure attributes must be viewed using STN Express query preparation.

=> d his

(FILE 'HOME' ENTERED AT 08:34:31 ON 18 JAN 2005)

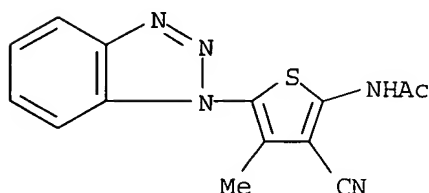
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L1 STRUCTURE UPLOADED  
L2 2 S L1  
L3 56 S L1 FULL  
L4 56 S L3 AND CAPLUS/LC  
L5 0 S L3 AND CAOLD/LC

FILE 'CAPLUS' ENTERED AT 08:35:26 ON 18 JAN 2005

L6 3 S L3

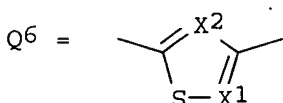
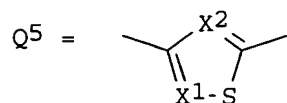
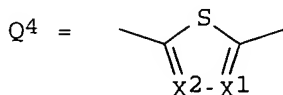
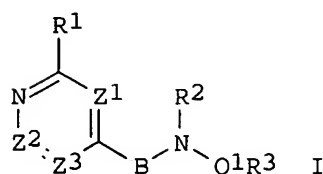
L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2002:805359 CAPLUS  
DOCUMENT NUMBER: 138:238085  
TITLE: Synthesis and biological effects of new derivatives of  
benzotriazole as antimicrobial and antifungal agents  
AUTHOR(S): Al-Omran, Fatima; Mohareb, Rafat M.; El-Khair, Adel  
Abou  
CORPORATE SOURCE: Chemistry Department, Faculty of Science, Kuwait  
University, Safat, 13060, Kuwait  
SOURCE: Journal of Heterocyclic Chemistry (2002), 39(5),  
877-883  
CODEN: JHTCAD; ISSN: 0022-152X  
PUBLISHER: HeteroCorporation  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 138:238085  
AB Derivs. of 2-aminothiophene-3-carbonitrile, 2-thioxopyridine-3-  
carbonitrile, 1,8-naphthyridine-2-one, thieno[2,3-b]pyridine-5-  
carbonitrile and thieno[2,3-d]pyrimidine incorporating a 1H-benzotriazole  
moiety or 1,3,4-thiadiazole derivs. incorporating with a  
benzotriazol-1-ylmethyl group have been synthesized and tested for  
antimicrobial and antifungal activities. The structures of the newly  
synthesized compds. have been established on the basis of their anal. and  
spectral data.  
IT 501417-13-6P  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL  
(Biological study); PREP (Preparation)  
(preparation and bactericidal and fungicidal activity of benzotriazole  
derivs.)  
RN 501417-13-6 CAPLUS  
CN Acetamide, N-[5-(1H-benzotriazol-1-yl)-3-cyano-4-methyl-2-thienyl]- (9CI)  
(CA INDEX NAME)



REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2004:412940 CAPLUS  
 DOCUMENT NUMBER: 141:7105  
 TITLE: Preparation of thienyl- and thiazolecarboxamides as inhibitors of ROCK, ERK, GSK, and AGC protein kinases  
 INVENTOR(S): Cao, Jingrong; Gao, Huai; Green, Jeremy; Marhefka, Craig  
 PATENT ASSIGNEE(S): Vertex Pharmaceuticals Incorporated, USA  
 SOURCE: PCT Int. Appl., 222 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004041813	A1	20040521	WO 2003-US34319	20031030
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004122016	A1	20040624	US 2003-696862	20031030
PRIORITY APPLN. INFO.:			US 2002-422441P	P 20021030
			US 2003-476433P	P 20030606
			US 2003-476691P	P 20030606
			US 2003-479903P	P 20030619
OTHER SOURCE(S):		MARPAT 141:7105		
GI				



AB Title compds. [I; B = Q4, Q5, Q6; R1 = halo, cyano, NO2, VmR; Z1, Z3 = N, CRz; Z2 = N, CR1; Rz = halo, cyano, NO2, UnR'; R2 = UnR'; X1, X2 = CR4, N; R4 = halo, cyano, NO2, VmR; U, V = (substituted) alkylidene optionally interrupted by NR, O, S, CS, SO, SO2, CO2, etc.; m, n = 0, 1; R = H, (substituted) aliphatic; R' = R, (unsatd.) (heterocyclic) mono- or bicyclic ring; Q1 = CO, SO2, CONR, SO2NR; R3 = Q2Ar1; R2Q1R3 = atoms to

form a cyclic group; Ar1 = (unsatd.) (heterocyclic) mono- or bicyclic ring; with provisos], were prepared Thus, 2-chloro-N-(4-pyridin-4-ylthiazol-2-yl)acetamide and N-methylaniline were stirred overnight in DMF at 70° to give 2-(methylphenylamino)-N-(4-pyridin-4-ylthiazol-2-yl)acetamide. Certain I were shown to inhibit ROCK I, ERK2, GSK3, and PKA with  $K_i < 1 \mu\text{M}$ .

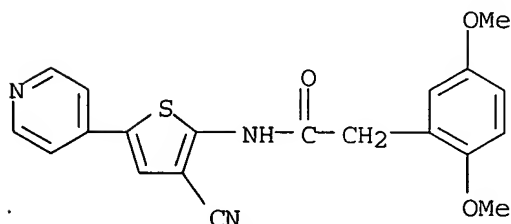
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 692865-76-2P 692865-81-9P 692865-86-4P  
 692865-91-1P 692865-96-6P 692866-01-6P  
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 692866-21-0P 692866-26-5P 692866-31-2P  
 692866-37-8P 692866-42-5P 692866-49-2P  
 692866-55-0P 692866-61-8P 692866-66-3P  
 692866-72-1P 692866-78-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(claimed compound; preparation of thiophene- and thiazolecarboxamides as inhibitors of ROCK, ERK, GSK, and AGC protein kinases)

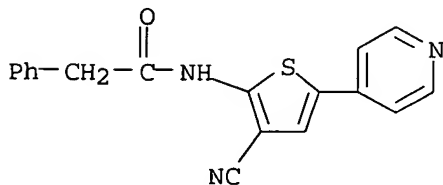
RN 692865-29-5 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-2,5-dimethoxy- (9CI) (CA INDEX NAME)



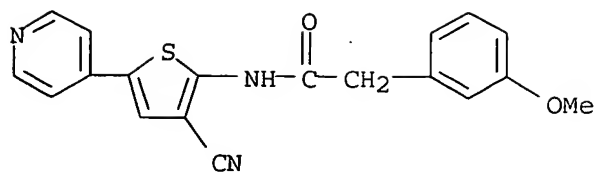
RN 692865-35-3 CAPLUS

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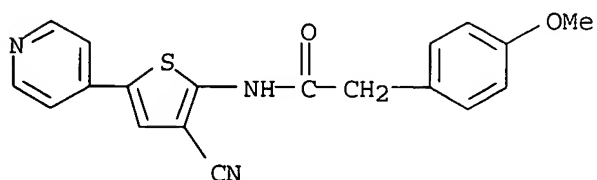
RN 692865-40-0 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-3-methoxy- (9CI) (CA INDEX NAME)



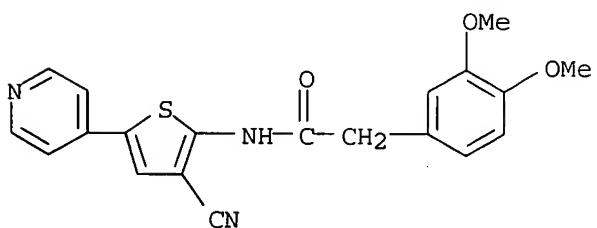
RN 692865-45-5 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-4-methoxy- (9CI)  
(CA INDEX NAME)



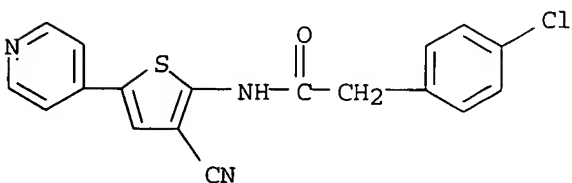
RN 692865-50-2 CAPLUS

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(9CI) (CA INDEX NAME)



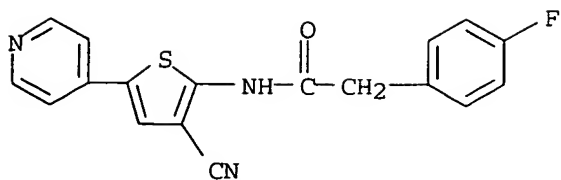
RN 692865-55-7 CAPLUS

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(CA INDEX NAME)



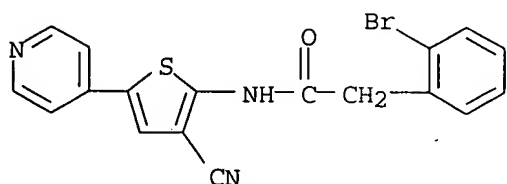
RN 692865-60-4 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-4-fluoro- (9CI)  
(CA INDEX NAME)



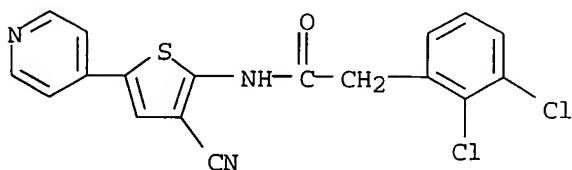
RN 692865-66-0 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]- (9CI)  
(CA INDEX NAME)



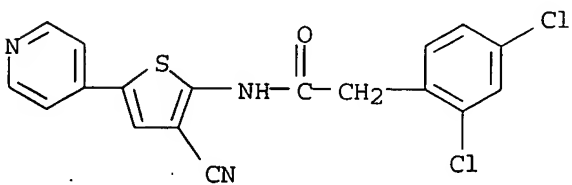
RN 692865-71-7 CAPLUS

CN Benzeneacetamide, 2,3-dichloro-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-  
(9CI) (CA INDEX NAME)



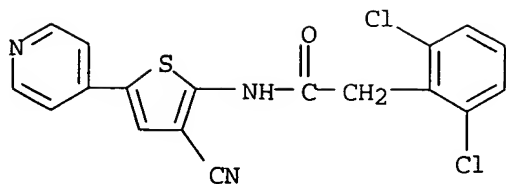
RN 692865-76-2 CAPLUS

CN Benzeneacetamide, 2,4-dichloro-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-  
(9CI) (CA INDEX NAME)



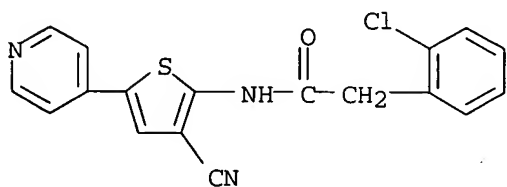
RN 692865-81-9 CAPLUS

CN Benzeneacetamide, 2,6-dichloro-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-  
(9CI) (CA INDEX NAME)



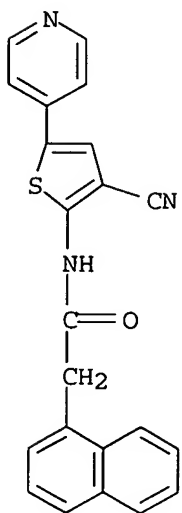
RN 692865-86-4 CAPLUS

CN Benzeneacetamide, 2-chloro-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]- (9CI)  
(CA INDEX NAME)



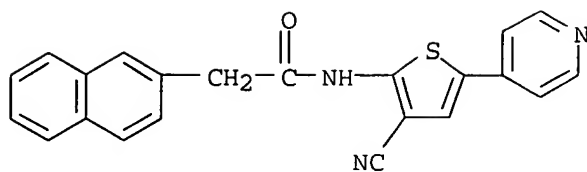
RN 692865-91-1 CAPLUS

CN 1-Naphthaleneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]- (9CI) (CA  
INDEX NAME)



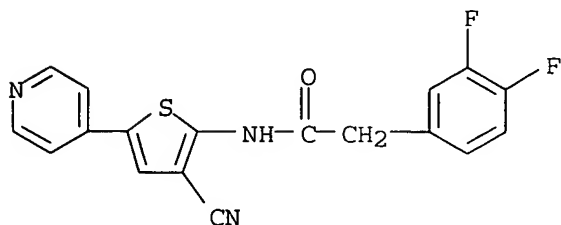
RN 692865-96-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]- (9CI) (CA  
INDEX NAME)



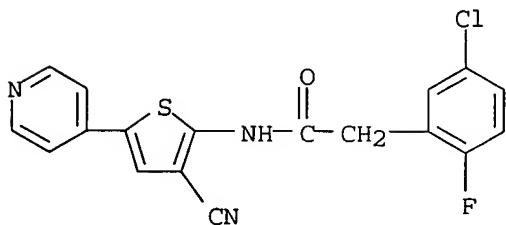
RN 692866-01-6 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-3,4-difluoro-  
(9CI) (CA INDEX NAME)



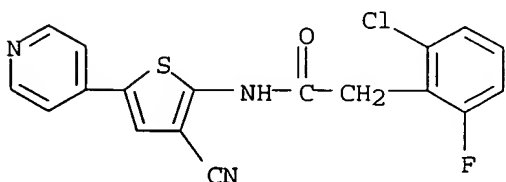
RN 692866-06-1 CAPLUS

CN Benzeneacetamide, 5-chloro-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-2-fluoro-  
(9CI) (CA INDEX NAME)



RN 692866-10-7 CAPLUS

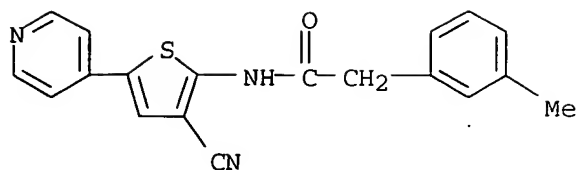
CN Benzeneacetamide, 2-chloro-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-6-fluoro-  
(9CI) (CA INDEX NAME)



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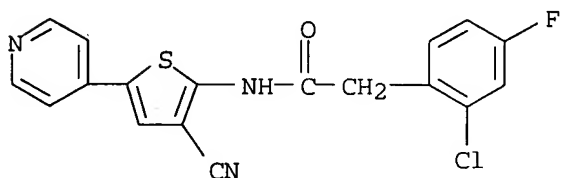
CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-3-methyl- (9CI)  
(CA INDEX NAME)





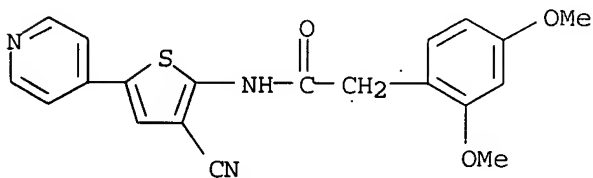
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CN Benzeneacetamide, 2-chloro-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-4-fluoro-  
(9CI) (CA INDEX NAME)



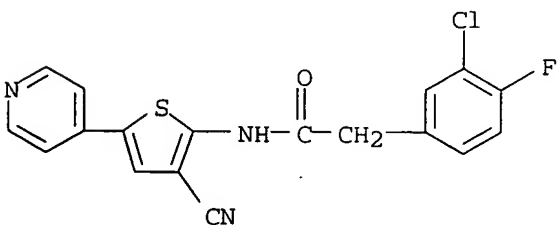
RN 692866-26-5 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-2,4-dimethoxy-  
(9CI) (CA INDEX NAME)



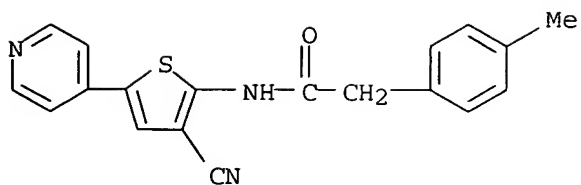
RN 692866-31-2 CAPLUS

CN Benzeneacetamide, 3-chloro-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-4-fluoro-  
(9CI) (CA INDEX NAME)



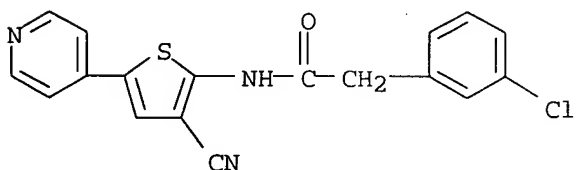
RN 692866-37-8 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-4-methyl- (9CI)  
(CA INDEX NAME)



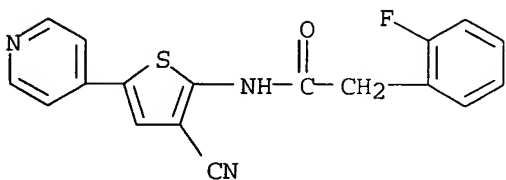
RN 692866-42-5 CAPLUS

CN Benzeneacetamide, 3-chloro-N-[3-cyano-5-(4-pyridinyl)-2-thienyl]- (9CI)  
(CA INDEX NAME)



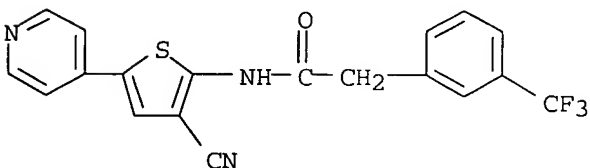
RN 692866-49-2 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-2-fluoro- (9CI)  
(CA INDEX NAME)



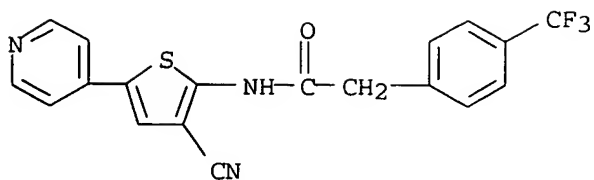
RN 692866-55-0 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



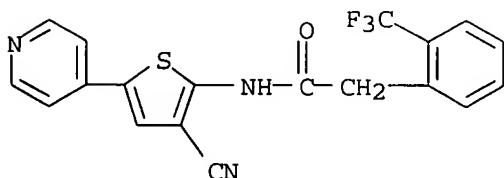
RN 692866-61-8 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



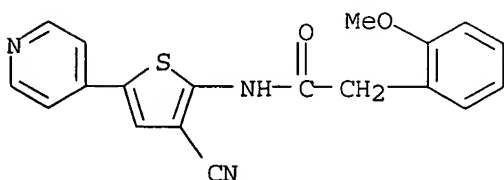
RN 692866-66-3 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)



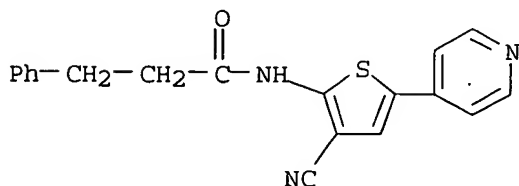
RN 692866-72-1 CAPLUS

CN Benzeneacetamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]-2-methoxy- (9CI) (CA INDEX NAME)



RN 692866-78-7 CAPLUS

CN Benzenepropanamide, N-[3-cyano-5-(4-pyridinyl)-2-thienyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

7

THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT